

# Sierra Wireless AirLink RV50X Industrial 4G LTE Modem

SKU: M2M-SW-00001  
 MPN: 1103045

## Description

The AirLink® RV50X is the industry's lowest power and most rugged 4G LTE gateway. Simple to install and easy to manage, the RV50X industrial gateway is designed to connect critical assets and infrastructure.

Ideal for industrial-grade applications in energy, utilities and smart-city infrastructure, the RV50X provides real-time remote connectivity for SCADA, distribution management systems and metering.

The RV50X supports an extensive range of LTE bands worldwide, and its LTE-Advanced capabilities deliver up to 300 Mb/s downlink speeds. The RV50X provides fallback to 3G networks for those countries still using 3G.

With the lowest power consumption available on the market, the RV50X dramatically reduces infrastructure costs when running on battery or solar power, and provides programmability to enable edge computing applications, using the ALEOS Application Framework (AAF).

### Read More

- LTE-Advanced with minimal power consumption – less than 1 Watt
- Ideal for solar-powered applications
- Ruggedized, industrial grade form factor



## Sierra Wireless (Semtech)



Sierra Wireless (rebranding as Semtech) is a leading IoT solutions provider that combines devices, network services and software to unlock value in the connected economy. Sierra Wireless was acquired by Semtech Corporation in January 2023. With an almost 30 year history of innovation in the wireless space, we have been first to market with many technology solutions for global customers.

### Network Interfaces

### Wireless Interfaces

Our ...

# Cellular Module

Technologies: 3G UMTS, 4G LTE Chipset/Module: Snapdragon X7 LTE

## 4G LTE Specifications

MIMO: 2x2 MIMO DL Category: Cat 6

LTE Bands: B1 UL Category: Cat 5

B3  
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B5  
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B7  
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B8  
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B18  
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B21  
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B28  
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B38  
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B39  
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B40  
,  
B41

Carrier Aggregation: 2C CA

## SIM Cards

Quantity	SIM Type
2	Standard SIM (2FF)

## Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	2	SMA Female

# GNSS Module

Technologies: GLONASS, GPS

## Device RF Interface

RF Connector Function	Quantity	RF Interface
GNSS	1	SMA Female

## Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T

# Physical Specification

Subtype:	Cellular Modem	Dimensions:	119 × 94 × 34 mm
Min. Operating Temperature:	-40 °C	Weight:	320 g
Max. Operating Temperature:	70 °C	Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock
Ingress Protection:	IP64	Compliance/Certifications:	CE
		RCM	,
		RoHS	,

## IO Interfaces

IO Connector	Quantity	Notes
DE-9 Serial	1	RS-232
USB Micro-B 2.0	1	

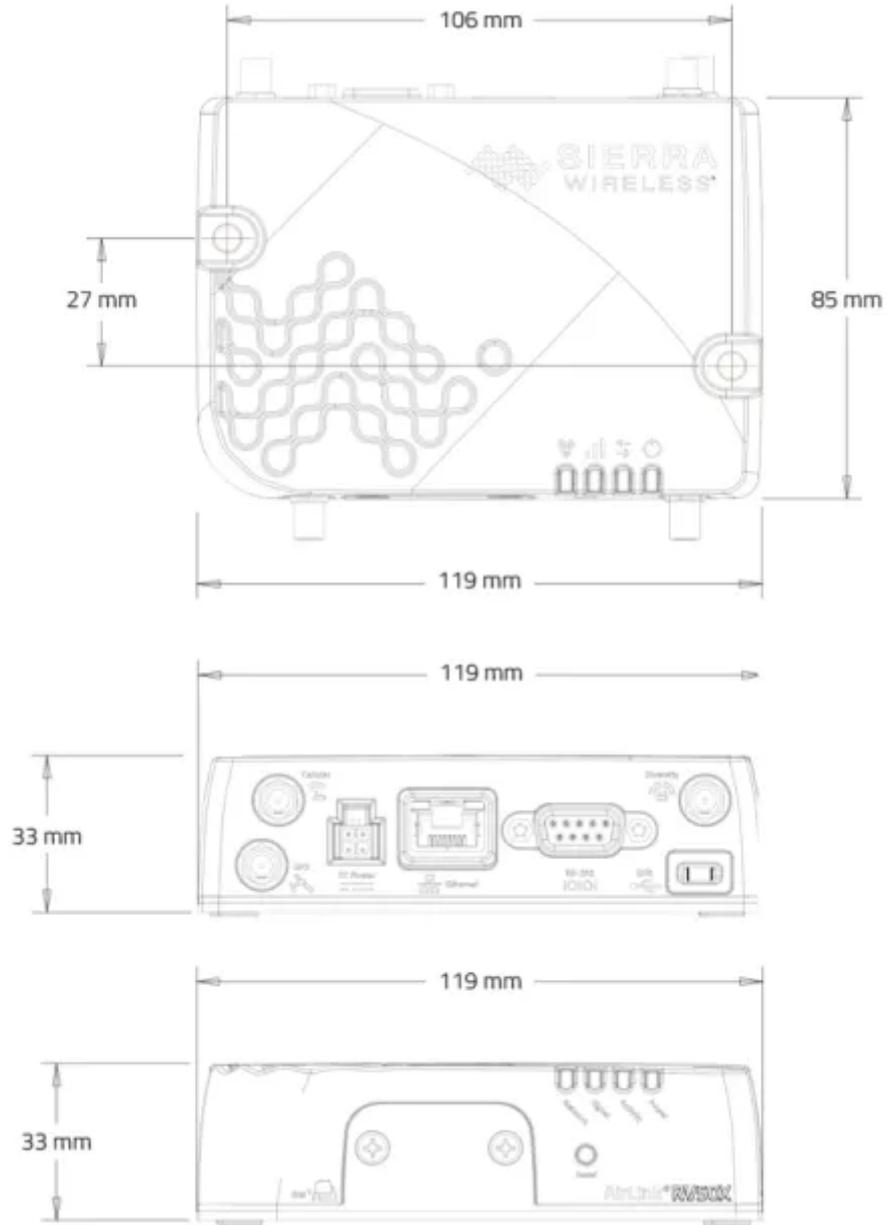
## Power Specifications

Power Options: DC Power Input      Typical Consumption: 0.9 W

## Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Molex, 4-Pin Square Micro-Fit	12 V	7 V	36 V	DC

# Drawing



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